

***** STN Columbus *****
FILE 'HOME' ENTERED AT 23:31:28 ON 03 SEP 2004

=> Index bioact
FILE 'DRUGMONOG' ACCESS NOT AUTHORIZED
COST IN U.S. DOLLARS
FULL ESTIMATED COST
SINCE FILE TOTAL
ENTRY SESSION
0.21 0.21

INDEX 'ADISCT1, ADISINSIGHT, ADISNEWS, AGRICOLA, AQUALINE, ANASTR, ANTE,
AQUASCI, BIOBUSINESS, BIOCOMMERCE, BIOENG, BIOSIS, BIOTECHABS, BIOTECHDS,
BIOTECNO, CAB, CANCERLIT, CAPLUS, CEABA-VTB, CIN, CONFSCI, CROBP,
CROFU, DISSABS, DDFB, DDFU, DGENE, ...' ENTERED AT 23:31:44 ON 03 SEP
2004

74 FILES IN THE FILE LIST IN STINDEX

Enter SET DETAIL ON to see search term postings or to view
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=> s soluble (w) silk (w) protein

2 FILE BIOTECHABS
2 FILE BIOTECHDS
3 FILE CAPLUS
2 FILE CEABA-VTB
2 FILE CIN
1 FILE DISSABS
6 FILE DGENE

36 FILES SEARCHED...

2 FILE GENBANK
2 FILE IFIPAT
2 FILE JICST-EPLUS
9 FILE USPATFULL
2 FILE WPIDS
2 FILE WPINDEX

13 FILES HAVE ONE OR MORE ANSWERS, 74 FILES SEARCHED IN STINDEX

L1 QUE SOLUBLE (W) SILK (W) PROTEIN

=> d rank

9 USPATFULL
6 DGENE
3 CAPLUS
2 BIOTECHABS
2 BIOTECHDS
2 CEABA-VTB
2 CIN
2 GENBANK
2 IFIPAT
2 JICST-EPLUS
2 WPIDS
2 WPINDEX
1 DISSABS

=> file hits
COST IN U.S. DOLLARS
FULL ESTIMATED COST
SINCE FILE TOTAL
ENTRY SESSION
1.14 1.35

FILE 'USPATFULL' ENTERED AT 23:32:49 ON 03 SEP 2004
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FILE 'BIOTECHABS' ACCESS NOT AUTHORIZED

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FILE 'WPINDEX' ACCESS NOT AUTHORIZED

FILE 'DISSABS' ENTERED AT 23:32:49 ON 03 SEP 2004
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=> s l1 33 l1

=> dup rem l2
DUPLICATE IS NOT AVAILABLE IN 'DGENE, GENBANK',
ANSWERS FROM THESE FILES WILL BE CONSIDERED UNIQUE
PROCESSING COMPLETED FOR L2
28 DUP REM L2 (5 DUPLICATES REMOVED)

=> file hits -dgene
COST IN U.S. DOLLARS
SINCE FILE TOTAL

FULL ESTIMATED COST ENTRY SESSION
28.34 29.69

FILE 'USPATFULL' ENTERED AT 23:33:19 ON 03 SEP 2004
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=> a 11 23 L1

=> dup rem 14
DUPLICATE IS NOT AVAILABLE IN 'GENBANK'.
ANSWERS FROM THESE FILES WILL BE CONSIDERED UNIQUE
PROCESSING COMPLETED FOR L4
L5 22 DUP REM L4 (1 DUPLICATE REMOVED)

=> a 15 and (skin or hair)
L6 11 L5 AND (SKIN OR HAIR)

=> a 15 and cosmetic
L7 10 L5 AND COSMETIC

=> a 16 or 17 11 L6 OR L7

=> dup rem 18
DUPLICATE IS NOT AVAILABLE IN 'GENBANK'.
ANSWERS FROM THESE FILES WILL BE CONSIDERED UNIQUE
PROCESSING COMPLETED FOR L8
L9 11 DUP REM L8 (0 DUPLICATES REMOVED)

=> d 19 bib ab 1-11

L9 ANSWER 1 OF 11 USPATFULL on STN
2004:220823 USPATFULL

TI Water-soluble silk proteins in compositions for ***skin*** care,
hair care or ***hair*** coloring

IN Fehnestock, Stephen R., Wilmington, DE, UNITED STATES
Schultz, Thomas M., Randolph, NJ, UNITED STATES

PI US 2004170590 A1 20040902
US 2004-772124 A1 20040204 (10)

PRAI US 2003-448952P 20030220 (60)

DT Utility

FS APPLICATION

LREP E I DU PONT DE NEMOURS AND COMPANY, LEGAL PATENT RECORDS CENTER, BARLEY
MILL PLAZA 25/1128, 4417 LANCASTER PIKE, WILMINGTON, DE, 19805

CLAN Number of Claims: 22

ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 1657

AB ***Skin*** care, ***hair*** care and ***hair*** coloring
compositions comprising a water- ***soluble*** ***silk***
protein as an active ingredient are described. The water-
soluble ***silk*** ***protein*** deposits onto the
and durable film to provide added strength for protection against
environmental, chemical, and grooming associated damage. The
compositions may be in the form of ***skin*** care, ***skin***
cleansing, or anti-wrinkle products, shampoos, conditioners, lotions,
aerosols, gels, mousses, dyes, or bleaches.

L9 ANSWER 2 OF 11 USPATFULL on STN
2004:172814 USPATFULL

TI Method for purifying and recovering silk proteins in soluble form and
uses thereof

IN Fehnestock, Stephen R., Wilmington, DE, UNITED STATES
Schultz, Thomas M., Randolph, NJ, UNITED STATES

PI US 2004132978 A1 20040708
US 2003-704337 A1 20031107 (10)

PRAI US 2002-425617P 20021112 (60)

DT Utility

FS APPLICATION

LREP POTTER ANDERSON & CORROON LLP, ATTN: KATHLEEN W. GEIGER, ESQ., P.O. BOX
951, WILMINGTON, DE, 19899-0951

CLAN Number of Claims: 20

ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 1383

AB CAS INDEXING IS AVAILABLE FOR THIS PATENT.
A method for purifying and recovering silk proteins in water-soluble
form is described. The method is based upon precipitation of the silk
protein at a temperature below room temperature, which results in a
protein pellet that redissolves in water without the addition of harsh
chemicals. When the precipitation is done at room temperature, the
resulting protein pellet cannot be redissolved in water. Applications
for the water-soluble silk proteins in cosmetics, ***skin*** care,
hair care, ***hair*** coloring products, and for pigment
coating and wound healing bandages are described.

L9 ANSWER 3 OF 11 CAPLUS COPYRIGHT 2004 ACS on STN

specification.

ACTIVITY - Dermatological; Vlnetary. No biological data given.

USE - The methods and compositions of the present invention of purifying and recovering recombinant silk proteins in water-soluble form, useful in the production of cosmetics, ***skin*** care and ***hair*** care compositions, and/or pigment coating and wound healing bandages.

EXAMPLE - The recovery of spider silk analog protein DP-2A in soluble form using a purification method that uses ammonium sulfate fractionation at low temperature. E. coli strain FP3276 was cultured with minor modifications, where strain FP3276 was grown at 36degreesC in a Biolafitte fermenter in 10 L of a medium as given in the specification. The fermenter was inoculated with 500 mL of overnight culture of FP3276 in 2xYT, 28 glucose and 50 mg/Leu kanamycin. The pH was maintained at 6.8 by addition of 40% NH4OH or 20% His3PO4. Dissolved O2 was maintained at 25%. After 3 hours, the cells were harvested by centrifugation in a GS-3 type rotor in a Sorval Model RSCC refrigerated centrifuge and the cell paste was stored frozen at -20degreesC for at least 24 hours before proceeding with purification process. The cell paste was thawed and resuspended in 420 mL of lysis buffer. Lysozyme was added to the cell suspension to a concentration of 300 microg/mL and the solution was incubated at 4 degreesC for 1 hour. Then, the suspension was quick-frozen in a dry ice-ethanol bath and thawed in a 37 degreesC bath. The resulting supernatant was combined with the supernatant from the initial centrifugation. The pH of the cleared lysate was adjusted to pH 4.9 with acetic acid, and centrifuged at 14000 x g for 1 hour at 4 degreesC. A acetated ammonium sulfate solution was added to the supernatants in a volume ratio of 1-9. The resulting solutions were incubated on ice for 15 minutes, and then centrifuged at 14000 x g for 15 minutes at 4degreesC to collect the precipitated DP-2A spider silk analog protein. The resulting pellets were redissolved in water at 4degreesC using one-tenth the volume of the supernatant. The products were at least 95% pure DP-2A as demonstrated by analysis using the Protein Plus 200 LabChip protocol. (38 pages)

ANSWER 5 OF 11 USPTAFULL on STN

L9 2003:6663 USPTAFULL.

AN Absorbent article which maintains or improves ***skin*** health

TI

IN

Paul, Susan Carol, Alpharetta, GA, United States
Akin, Frank Jorrel, Marietta, GA, United States
Di Lucio, Robert Cosmo, Alpharetta, GA, United States
Everhart, Dennis Stein, Alpharetta, GA, United States
Gadsby, Elizabeth Deibler, Marietta, GA, United States
Mayberry, Pamela Jean, Roswell, GA, United States
Fahleoui, Ali, Roswell, GA, United States
Faulks, Michael John, Neenah, WI, United States
Krzysak, Duane Gerard, Appleton, WI, United States
Monard, Karen Marie, Neenah, WI, United States
Musil, David Charles, Appleton, WI, United States
Rasch, III, Frank Andrew, Sherwood, WI, United States
Shaw, Gordon Allen, Greenville, WI, United States
Tyrell, David John, Appleton, WI, United States
Underhill, Diane Michele, Neenah, WI, United States
Hockersmith, Jeffrey Michael, Mill Creek, WA, United States
Gillberg-Laforce, Gnilla Elsa, Painted Post, NY, United States
May, Wade Bolton, New Orleans, LA, United States

PA Kimberly-Clark Worldwide, Inc., Neenah, WI, United States (U.S.

PI corporation)

US 6503525 B1 20030107

US 2000-671357 20000927 (9)

Division of Ser. No. US 1999-379431, filed on 23 Aug 1999

US

USILITY

FS

GRANTED

EXAM

REP

CLN

ECL

DRWN

LN CNT

AB

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

An absorbent article includes a vapor permeable backsheet, a liquid permeable topsheet positioned in facing relation with the backsheet, and an absorbent body located between the backsheet and the topsheet. The absorbent body may include multiple zones of high air permeability. The absorbent article may also include a ventilation layer between the absorbent body and the backsheet and a surge management layer between the absorbent body and the topsheet. The article exhibits improved air exchange within the article during use. As a result, the article maintains the temperature and exhibits substantially reduced levels of hydration of the wearer's ***skin*** when in use which renders the absorbent article less susceptible to the viability of microorganisms. The absorbent article may further include lotion formulations and/or treatment compositions thereon for maintaining or improving ***skin*** health.

ANSWER 6 OF 11 USPTAFULL on STN

L9 2002:340156 USPTAFULL

TI

IN

skin

Everhart, Dennis Stein, Alpharetta, GA, United States
Di Lucio, Robert Cosmo, Alpharetta, GA, United States
Yahleoui, Ali, Roswell, GA, United States
May, Wade Bolton, Alexandria, LA, United States
Tyrell, David John, Appleton, WI, United States
Gadsby, Elizabeth Deibler, Marietta, GA, United States
Gillberg-Laforce, Gnilla Elsa, Painted Post, NY, United States
Kimberly-Clark Worldwide, Inc., Neenah, WI, United States (U.S. corporation)
US 6497893 B1 20021224
US 1999-343861 19990630 (9)
USILITY
GRANTED
EXAM
REP
CLN
ECL
DRWN
LN CNT
AB

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

The present invention relates to a topical delivery system effective in depositing a thin, tenacious and substantially continuous coating of a silk protein on ***skin*** by an aqueous emulsion mediated dissolution of protein from a substrate with subsequent transfer and

deposition onto the ***skin***. Coatings of silk protein on
skin resist removal, thereby providing a protective barrier
against chemically- and biochemically-induced ***skin*** damage. The
treatment composition also provides a vehicle for administering an
effective dose of an active agent to the ***skin*** surface.

ANSWER 7 OF 11 USPTAFULL on STN

L9 2002:303725 USPTAFULL
AN Absorbent article which maintains or improves ***skin*** health
TI Paul, Susan Carol, Alpharetta, GA, United States
IN Akin, Frank Jerrel, Marietta, GA, United States
Di Lucio, Robert Cosmo, Alpharetta, GA, United States
Evershart, Dennis Stein, Alpharetta, GA, United States
Gadsby, Elizabeth Deibler, Marietta, GA, United States
Mayberry, Pamela Jean, Roswell, GA, United States
Wright, Audra Stefanik, Woodstock, GA, United States
Yahiaoui, Ali, Roswell, GA, United States
Faulks, Michael John, Neenah, WI, United States
Krzysik, Duane Gerard, Appleton, WI, United States
Menard, Karen Marie, Neenah, WI, United States
Musil, David Charles, Appleton, WI, United States
Rosch, III, Frank Andrew, Sherwood, WI, United States
Shaw, Gordon Allen, Greenville, WI, United States
Tyrell, David John, Appleton, WI, United States
Underhill, Diane Michele, Neenah, WI, United States
Hockersmith, Jeffrey Michael, Mill Creek, WA, United States
Gilberg-Laforce, Gunilla Elsa, Painted Post, NY, United States
May, Wade Bolton, New Orleans, LA, United States
Kimberly-Clark Worldwide, Inc., Neenah, WI, United States (U.S.
corporation)
PA US 6482422 B1 20021119
PI US 2000-671356 20000927 (9)
AI Division of Ser. No. US 1999-379431, filed on 23 Aug 1999
RLI Utility
DT GRANTED
FS
EXNAM Primary Examiner: Page, Thurman K.; Assistant Examiner: Ghali, Isis
LREP Dudkowski, Alyssa A., Curtin, Jeffrey B.
CLM Number of Claims: 21
ECL Exemplary Claim: 1
CLM 13 Drawing Figure(s); 11 Drawing Page(s)
LN.CNT 3224
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB An absorbent article includes a vapor permeable backsheet, a liquid
permeable topsheet positioned in facing relation with the backsheet; and
an absorbent body located between the backsheet and the topsheet. The
absorbent body may include multiple zones of high air permeability. The
absorbent article may also include a ventilation layer between the
absorbent body and the backsheet and a surge management layer between
the absorbent body and the topsheet. The article exhibits improved air
exchange within the article during use. As a result, the article
maintains the temperature and exhibits substantially reduced levels of
hydration of the wearer's ***skin*** when in use which renders the
skin less susceptible to the viability of microorganisms. The
absorbent article may further include lotion formulations and/or
treatment compositions thereon for maintaining or improving ***skin***
health.

L9 ANSWER 8 OF 11 USPTAFULL on STN
AN 2001:202209 USPTAFULL
TI Absorbent article which maintains or improves ***skin*** health
IN Akin, Frank Jerrel, Marietta, GA, United States
Di Lucio, Robert Cosmo, Alpharetta, GA, United States
Evershart, Dennis Stein, Alpharetta, GA, United States
Gadsby, Elizabeth Deibler, Marietta, GA, United States
Mayberry, Pamela Jean, Roswell, GA, United States
Wright, Audra Stefanik, Woodstock, GA, United States
Yahiaoui, Ali, Roswell, GA, United States
Faulks, Michael John, Neenah, WI, United States
Krzysik, Duane Gerard, Appleton, WI, United States
Menard, Karen Marie, Neenah, WI, United States
Musil, David Charles, Appleton, WI, United States
Rosch, III, Frank Andrew, Sherwood, WI, United States
Shaw, Gordon Allen, Greenville, WI, United States
Tyrell, David John, Appleton, WI, United States
Underhill, Diane Michele, Neenah, WI, United States
Hockersmith, Jeffrey Michael, Mill Creek, WA, United States
Gilberg-Laforce, Gunilla Elsa, Painted Post, NY, United States
May, Wade Bolton, New Orleans, LA, United States
Kimberly-Clark Worldwide, Inc., Neenah, WI, United States (U.S.
corporation)
PA US 6316013 B1 20011113
PI US 2000-671446 20000927 (9)
AI Division of Ser. No. US 1999-379431, filed on 23 Aug 1999
RLI Utility
DT GRANTED
FS
EXNAM Primary Examiner: Page, Thurman K.; Assistant Examiner: Ghali, Isis
LREP Dudkowski, Alyssa A.
CLM Number of Claims: 18
ECL Exemplary Claim: 1
CLM 13 Drawing Figure(s); 11 Drawing Page(s)
LN.CNT 3240
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB An absorbent article includes a vapor permeable backsheet, a liquid
permeable topsheet positioned in facing relation with the backsheet; and
an absorbent body located between the backsheet and the topsheet. The
absorbent body may include multiple zones of high air permeability. The
absorbent article may also include a ventilation layer between the
absorbent body and the backsheet and a surge management layer between
the absorbent body and the topsheet. The article exhibits improved air
exchange within the article during use. As a result, the article
maintains the temperature and exhibits substantially reduced levels of
hydration of the wearer's ***skin*** when in use which renders the
skin less susceptible to the viability of microorganisms. The
absorbent article may further include lotion formulations and/or
treatment compositions thereon for maintaining or improving ***skin***
health.

L9 ANSWER 9 OF 11 USPTAFULL on STN
AN 2001:167755 USPTAFULL
TI Absorbent article which maintains or improves ***skin*** health
IN Paul, Susan Carol, Alpharetta, GA, United States
Akin, Frank Jerrel, Marietta, GA, United States
Di Lucio, Robert Cosmo, Alpharetta, GA, United States

Everhart, Dennis Stein, Alpharetta, GA, United States
 Gadady, Elizabeth Deibler, Marietta, GA, United States
 Mayberry, Pamela Jean, Roswell, GA, United States
 Wright, Audra Stefanik, Woodstock, GA, United States
 Yablou, All, Roswell, GA, United States
 Faulks, Michael John, Neenah, WI, United States
 Krzywik, Duane Gerard, Appleton, WI, United States
 Menard, Karen Marie, Neenah, WI, United States
 Musill, David Charles, Appleton, WI, United States
 Rosch, III, Frank Andrew, Sherwood, WI, United States
 Shaw, Gordon Allen, Greenville, WI, United States
 Tyrell, David John, Appleton, WI, United States
 Underhill, Diane Michele, Neenah, WI, United States
 Hookersmith, Jeffrey Michael, Mill Creek, WA, United States
 Gillberg-Laforce, Gunilla Elsa, Painted Post, NY, United States
 May, Wade Bolton, New Orleans, LA, United States
 Kimberly-Clark Worldwide, Neenah, WI, United States (U.S. corporation)
 PA US 6296862 B1 20011002
 P1 US 2000-671447 20000927 (9)
 A1 Division of Ser. No. US 1999-379431, filed on 23 Aug 1999
 DT Utility
 FS GRANTED
 EXNAM Primary Examiner: Page, Thurman K.; Assistant Examiner: Ghall, Isis
 LREP Dudkowski, Alysa
 CLM Number of Claims: 36
 ECL Exemplary Claim: 1
 DRWN 13 Drawing Figure(s); 11 Drawing Page(s)
 LN.CNT 3321
 AB CAS INDEXING IS AVAILABLE FOR THIS PATENT.
 An absorbent article included in facing relation with the backsheet; and
 permeable topsheet positioned in facing relation with the backsheet; and
 an absorbent body located between the backsheet and the topsheet. The
 absorbent body may include multiple zones of high air permeability. The
 absorbent article may also include a ventilation layer between the
 absorbent body and the backsheet and a surge management layer between
 the absorbent body and the topsheet. The article exhibits improved air
 exchange within the article during use. As a result, the article
 maintains the temperature and exhibits substantially reduced levels of
 hydration of the wearer's ***skin*** when in use which renders the
 skin less susceptible to the viability of microorganisms. The
 absorbent article may further include lotion formulations and/or
 treatment compositions thereon for maintaining or improving ***skin***
 health.

L9 ANSWER 10 OF 11 USPTFULL on STN
 AN 2001:55468 USPTFULL
 T1 Absorbent article which maintains or improves ***skin*** health
 IN Paul, Susan Carol, 310 Tanners Crossing, Alpharetta, GA, United States
 30022
 Akin, Frank Jerrol, 560 Trailwood La., Marietta, GA, United States
 30064
 Di Lucio, Robert Cosmo, 2350 Coburn Ridge Rd., Alpharetta, GA, United
 States 30004
 Everhart, Dennis Stein, 230 Hereford Rd., Alpharetta, GA, United States
 30004
 Gadady, Elizabeth Deibler, 5338 Timber Ridge Rd., Marietta, GA, United
 States 30068

Mayberry, Pamela Jean, 1035 Lyndhurst Way, Roswell, GA, United States
 30075
 Wright, Audra Stefanik, 4142 Country Manor Ct., Woodstock, GA, United
 States 30188
 Yablou, All, 5040 Foxberry La., Roswell, GA, United States 30075
 Faulks, Michael John, 2320 Fiesta Ct., Neenah, WI, United States 54956
 Krzywik, Duane Gerard, 1112 E. Melrose Ave., Appleton, WI, United States
 54911
 Menard, Karen Marie, 528 E. Peckham St., Neenah, WI, United States
 54956
 Musill, David Charles, 3725 S. School Ave., Appleton, WI, United States
 54915
 Rosch, III, Frank Andrew, W4823 Spring Hill Dr., Sherwood, WI, United
 States 54169
 Shaw, Gordon Allen, W6253 Everglade Rd., Greenville, WI, United States
 54942
 Tyrell, David John, 415 S. Olds Oneida St., Apt. 318, Appleton, WI,
 United States 54911
 Underhill, Diane Michele, 726 Congress Pl., Neenah, WI, United States
 54956
 Hookersmith, Jeffrey Michael, 14705 24th Ave. SE., Mill Creek, WA,
 United States 98012
 Gillberg-Laforce, Gunilla Elsa, 7 Pond View, Painted Post, NY, United
 States 14870
 May, Wade Bolton, 5317 St. Charles, Apt. K, New Orleans, LA, United
 States 70115
 P1 US 6217890 B1 20010417
 A1 US 1999-379431 19990823 (9)
 RLI Continuation-in-part of Ser. No. US 1999-298314, filed on 23 Apr 1999
 Continuation-in-part of Ser. No. US 1998-139820, filed on 25 Aug 1998
 Continuation-in-part of Ser. No. US 1998-139824, filed on 25 Aug 1998,
 now abandoned Continuation-in-part of Ser. No. US 1999-328681, filed on 9
 Jun 1999 Continuation-in-part of Ser. No. US 1999-343861, filed on 30
 Aug 1999 Continuation-in-part of Ser. No. US 1999-377294, filed on 19
 Aug 1999
 PRAI US 1999-141788P 19990630 (60)
 DT Utility
 FS Granted
 EXNAM Primary Examiner: Page, Thurman K.; Assistant Examiner: Tran, S.
 LREP Curtin, Jeffrey B.
 CLM Number of Claims: 17
 ECL Exemplary Claim: 1
 DRWN 13 Drawing Figure(s); 11 Drawing Page(s)
 LN.CNT 3247
 AB An absorbent article includes a vapor permeable backsheet, a liquid
 permeable topsheet positioned in facing relation with the backsheet; and
 an absorbent body located between the backsheet and the topsheet. The
 absorbent body may include multiple zones of high air permeability. The
 absorbent article may also include a ventilation layer between the
 absorbent body and the backsheet and a surge management layer between
 the absorbent body and the topsheet. The article exhibits improved air
 exchange within the article during use. As a result, the article
 maintains the temperature and exhibits substantially reduced levels of
 hydration of the wearer's ***skin*** when in use which renders the
 skin less susceptible to the viability of microorganisms. The
 absorbent article may further include lotion formulations and/or
 treatment compositions thereon for maintaining or improving ***skin***